

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE**

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DATE 13 December 2017

TO: The Record

FROM:
U.S. Army Corps of Engineers
26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE: Newark Bay, Hackensack & Passaic Rivers;
Hackensack River, New Jersey

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (n miles)	DEPTH (feet)			
Reach A - Droyers Reach: From junction between Hackensack and Passaic Rivers approximately 65 feet seaward of RED NUN #2, to Lincoln Highway.	Map 215 Pg 1-3 of 7; 2-5, 12, 16-17 October 2017	300 - 500	1.55	32*	19.9	23.6	17.6
Reach B - Marion Reach: From Lincoln Highway, to the beginning of the Turning Basin approximately 1,060 feet seaward of GREEN CAN #13.	Map 215 Pg 3-6 of 7; 2-5, 12, 16-17 October 2017	300 - 370	1.81	32*	16.2	22.6	13.4
Reach C - Turning Basin: From a point approximately 1,060 feet seaward of GREEN CAN #13, to the end of the turning basin at approximately GREEN CAN #13.	Map 215 Pg 6-7 of 7; 2-5, 12, 16-17 October 2017	Irregular	0.24	25	25.4		
Partial Reach D - Route #3 Highway: Survey coverage exists from a point at approximately GREEN CAN #13 at the end of the turning basin, to a point at approximately 785 feet landward of GREEN CAN #15.	Map 215 Pg 7 of 7; 2,-5, 12, 16-17 October 2017	200	0.34	15**	12.3	13.0	15.4

REMARKS:

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel Reach Lengths are in nautical miles.

*Reaches A & B were never constructed to a 32 foot depth. Previous dredging was to a depth of 30 feet only.

** Reach D was never constructed to a 15 foot depth.

HACKENSACK RIVER:

- Reach A – Droyers Reach:** Shoaling exists in the Right Outside Quarter of the channel, commencing at the beginning of the reach and extending into the Middle Half approximately 165 feet landward. Shoaling continues until approximately 285 feet landward of Red Nun #8 EBB, with a maximum width of approximately 220 feet. Edge shoaling exists in the Left Outside Quarter of the channel, beginning approximately 185 feet landward of the beginning of the reach and continuing until the vicinity of Day Marker #9. Shoaling exists throughout the entire width of the channel, beginning in the vicinity of Day Marker #9 and continues until approximately 1,450 feet seaward of the end of the reach, with areas of project depth available intermittently throughout. Edge shoaling exists in the Right Outside Quarter of the channel, from approximately 1,425 feet seaward of the end of the reach and continues to the end of the reach.
- Reach B – Marion Reach:** Shoaling exists the in Right Outside Quarter of the channel, from the beginning of the reach until approximately 340 feet landward, where it extends across the width of the channel. Shoaling continues across the width of the channel approximately 800 feet landward, where it tapers to the Right Outside Quarter until the vicinity of Pulaski Skyway. Shoaling exists in the Left Outside Quarter of the channel and intermittently throughout the Middle Half of the channel, approximately 800 feet seaward of Pulaski Skyway and continues until approximately 550 feet seaward of the same. Sporadic shoaling exists throughout the entire channel from approximately 300 feet landward of Pulaski Skyway and continues until approximately 2,000 feet landward of the same, with a maximum width of approximately 185 feet. Edge shoaling exists in the Left and Right Outside Quarters of the channel, in the vicinity of NJ Highway and D.L & W. RR, with a maximum width of 100 feet.
- Reach C – Turning Basin:** No shoaling exists in this reach.
- Partial Reach D – Route #3 Highway:** Shoaling exists in the Left Outside Quarter and Middle Half of the channel, commencing approximately 355 feet landward of the beginning of the reach and continuing approximately 780 feet. Sporadic spot shoals exist in the Left Outside Quarter and the Middle Half of the channel from approximately 130 feet seaward of Green Can #15 EBB and continue until approximately 300 feet landward of the same.

